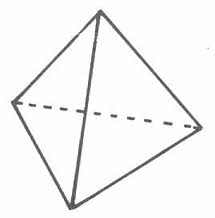
**The Fire Tetrahedron**: - the elements of fire.

**Heat:** Causes a fuel to produce flammable vapors.

HEAT

[](http://www.google.ca/imgres?imgurl=http://www.jaist.ac.jp/~g-kampis/Lecture_One/tetrahedron.jpg&imgrefurl=http://www.jaist.ac.jp/~g-kampis/Lecture_One/Problem_Solving.html&usg=__AcJ5230F1X9LQAcO_fPXKCCUl9s=&h=273&w=269&sz=5&hl=en&start=0&sig2=SNMODyE-loz8RWgZ4HSI5A&zoom=1&tbnid=26c3BuFcKAUk-M:&tbnh=139&tbnw=144&ei=HAhPTcLBJpOssAPso6HrCg&prev=/images%3Fq%3Dtetrahedron%26hl%3Den%26biw%3D1020%26bih%3D543%26gbv%3D2%26tbs%3Disch:1&itbs=1&iact=hc&vpx=131&vpy=202&dur=4063&hovh=218&hovw=215&tx=107&ty=133&oei=XwdPTabzJZO4sQOU_8WNCg&esq=6&page=1&ndsp=18&ved=1t:429,r:6,s:0)

O2

**Oxygen:** Reacts with flammable vapors to generate heat, light, and smoke.

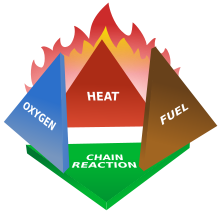
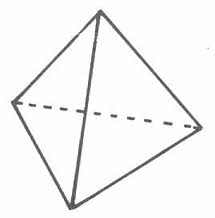
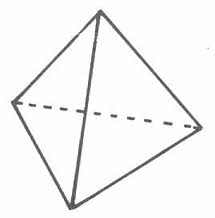
REACT

**Chemical Chain Reaction:** Occurs when flammable vapors combine with oxygen.

FUEL

**Fuel:** Produces flammable vapors when heated.

The fire tetrahedron must have all four elements to exist. As fire fighters, we chose which is the easiest and the most effective element(s) to remove to cause the fire to be extinguished. We may select one or more methods - cool, starve, smoother, or break the chemical chain reaction.

C:\Documents and Settings\Rick\Desktop\Fire_tetrahedron_.png[](http://www.google.ca/imgres?imgurl=http://www.jaist.ac.jp/~g-kampis/Lecture_One/tetrahedron.jpg&imgrefurl=http://www.jaist.ac.jp/~g-kampis/Lecture_One/Problem_Solving.html&usg=__AcJ5230F1X9LQAcO_fPXKCCUl9s=&h=273&w=269&sz=5&hl=en&start=0&sig2=SNMODyE-loz8RWgZ4HSI5A&zoom=1&tbnid=26c3BuFcKAUk-M:&tbnh=139&tbnw=144&ei=HAhPTcLBJpOssAPso6HrCg&prev=/images%3Fq%3Dtetrahedron%26hl%3Den%26biw%3D1020%26bih%3D543%26gbv%3D2%26tbs%3Disch:1&itbs=1&iact=hc&vpx=131&vpy=202&dur=4063&hovh=218&hovw=215&tx=107&ty=133&oei=XwdPTabzJZO4sQOU_8WNCg&esq=6&page=1&ndsp=18&ved=1t:429,r:6,s:0)